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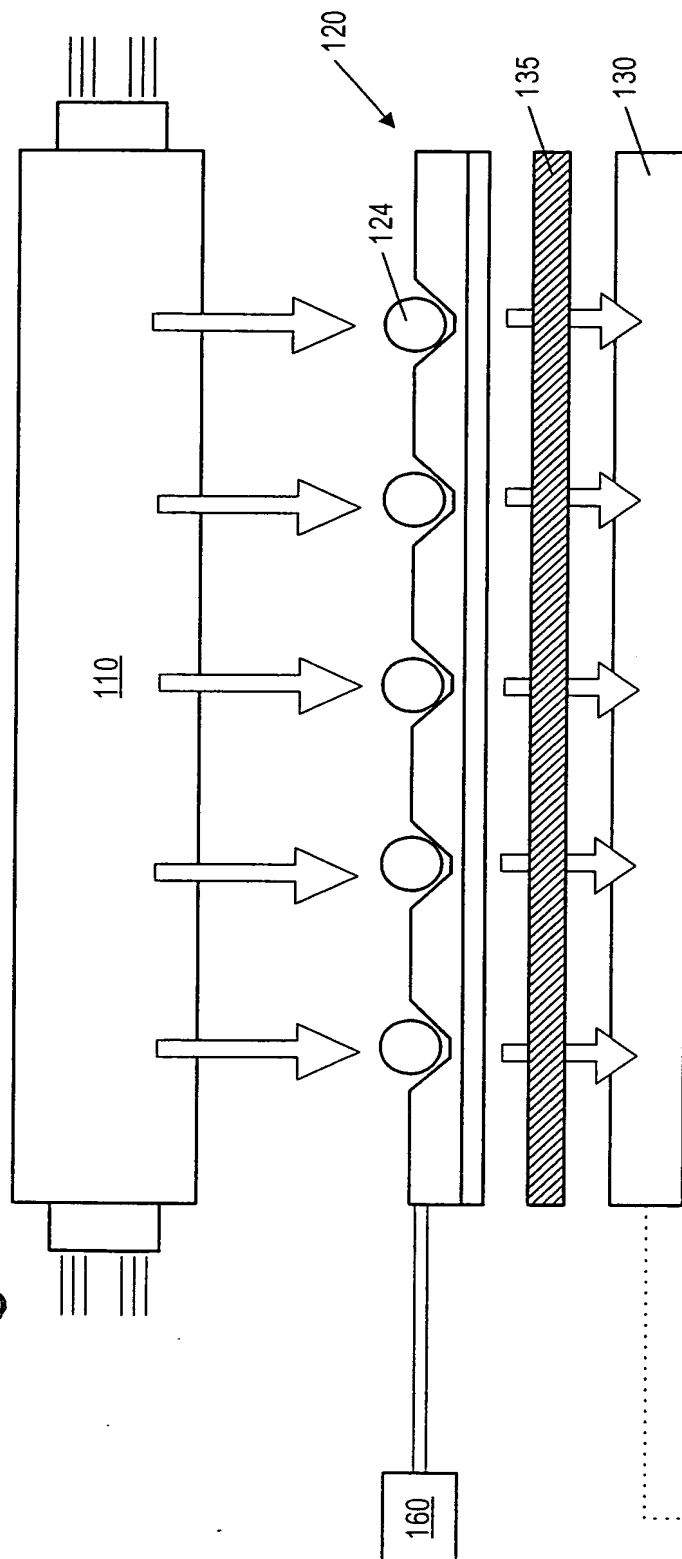


FIG. 1

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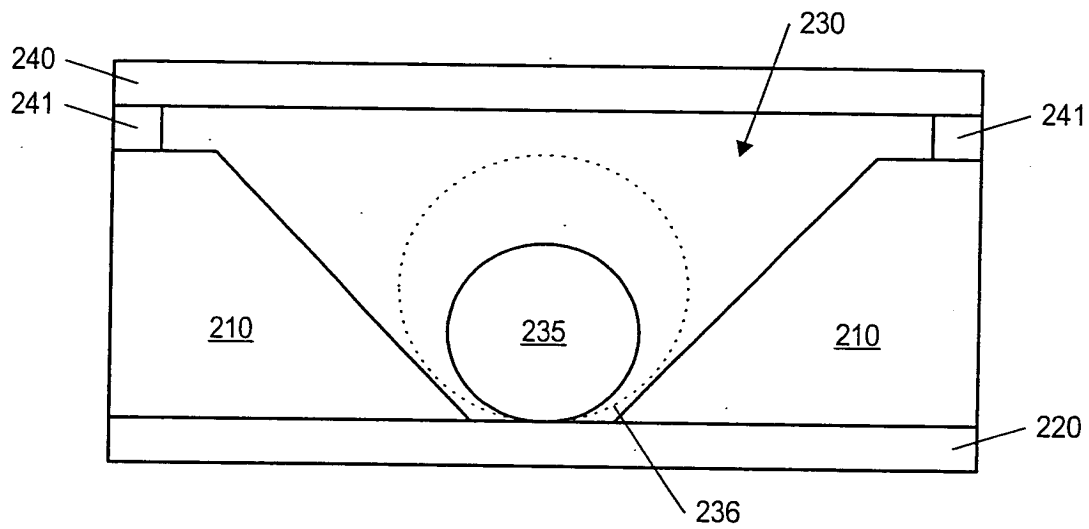


FIG. 2



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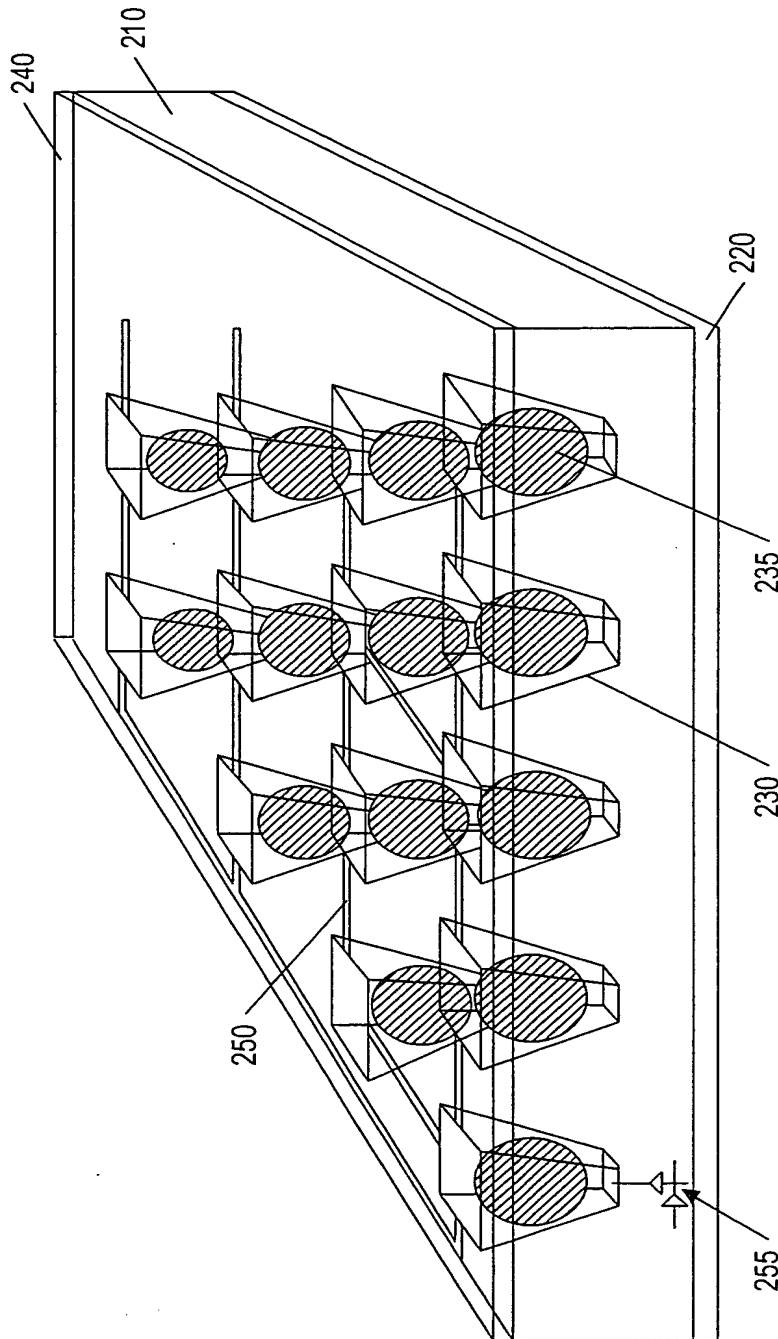


FIG. 3



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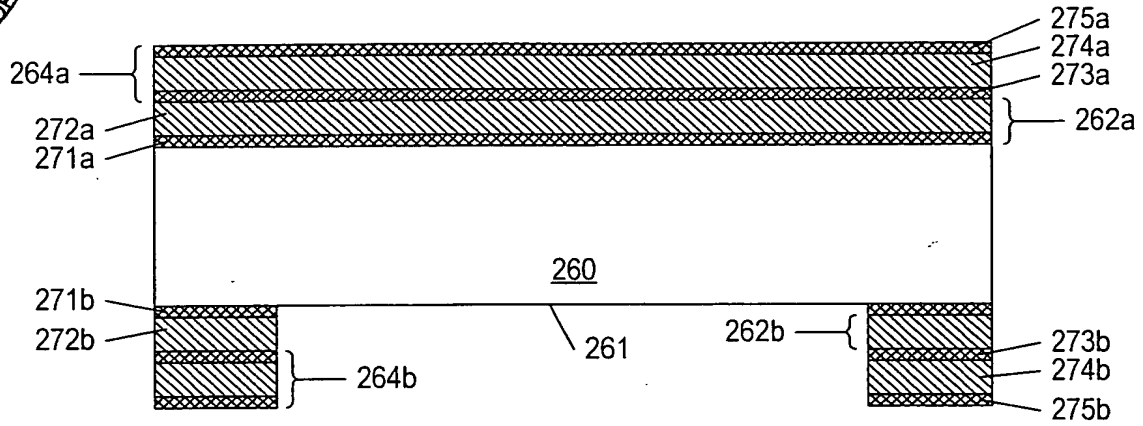


FIG. 4A

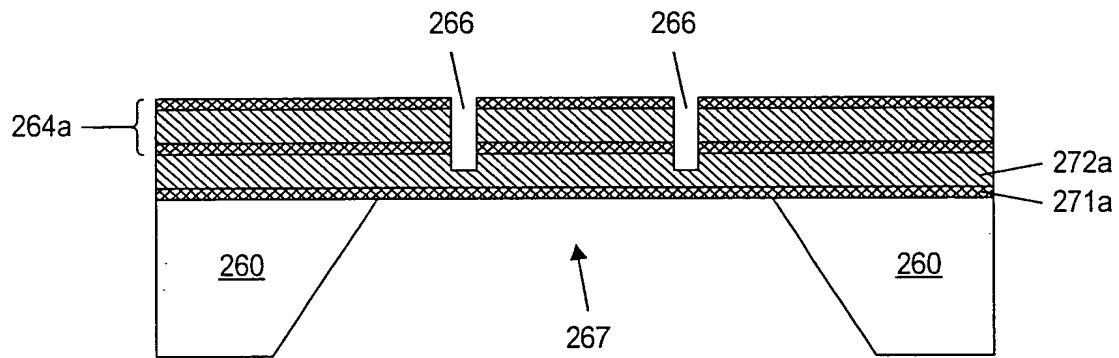


FIG. 4B

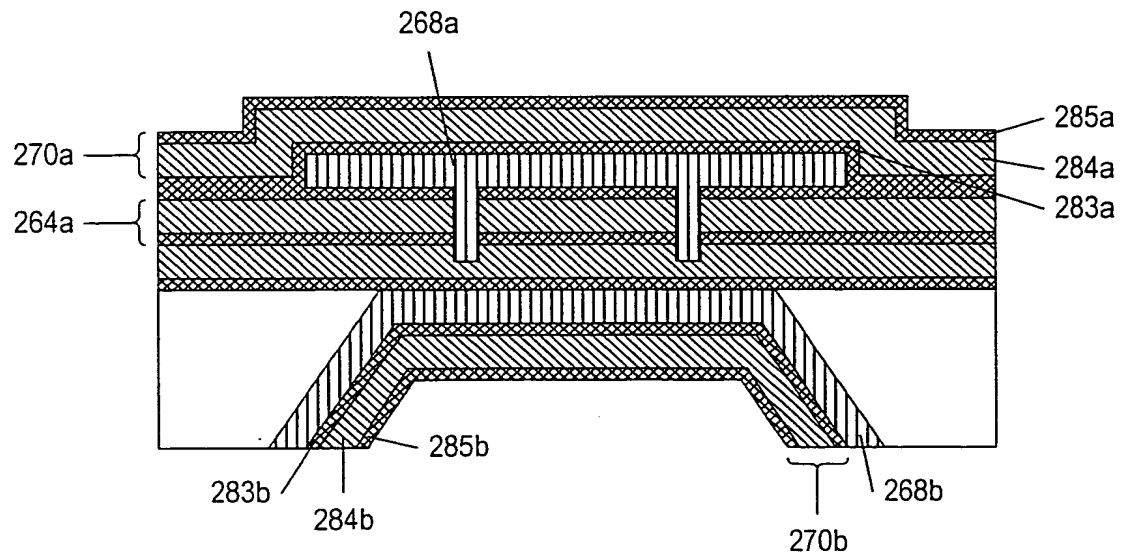


FIG. 4C



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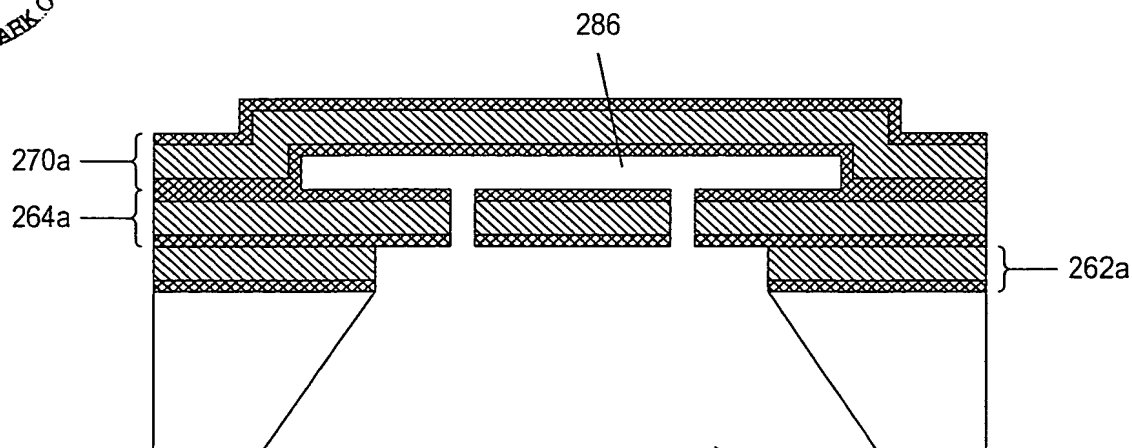


FIG. 4D

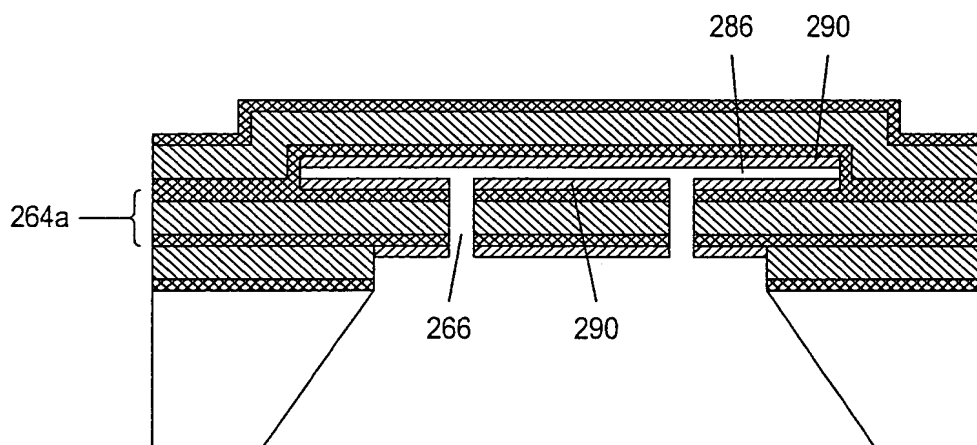


FIG. 4E

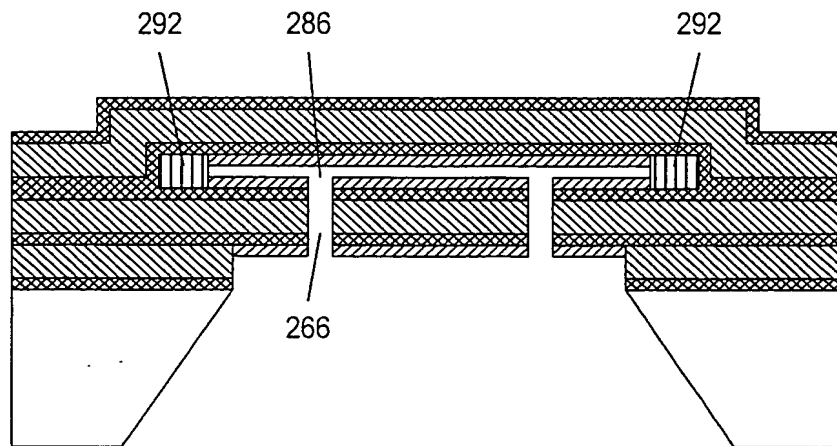


FIG. 4F

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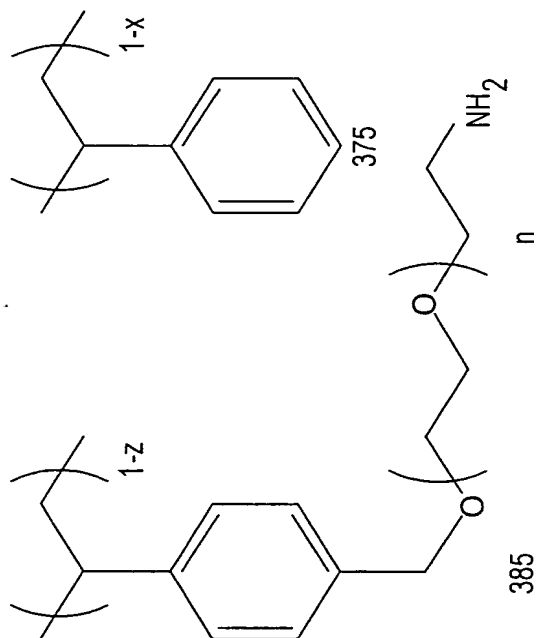
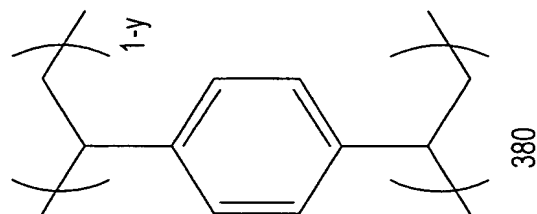
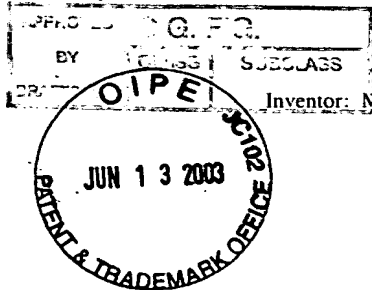


FIG. 5



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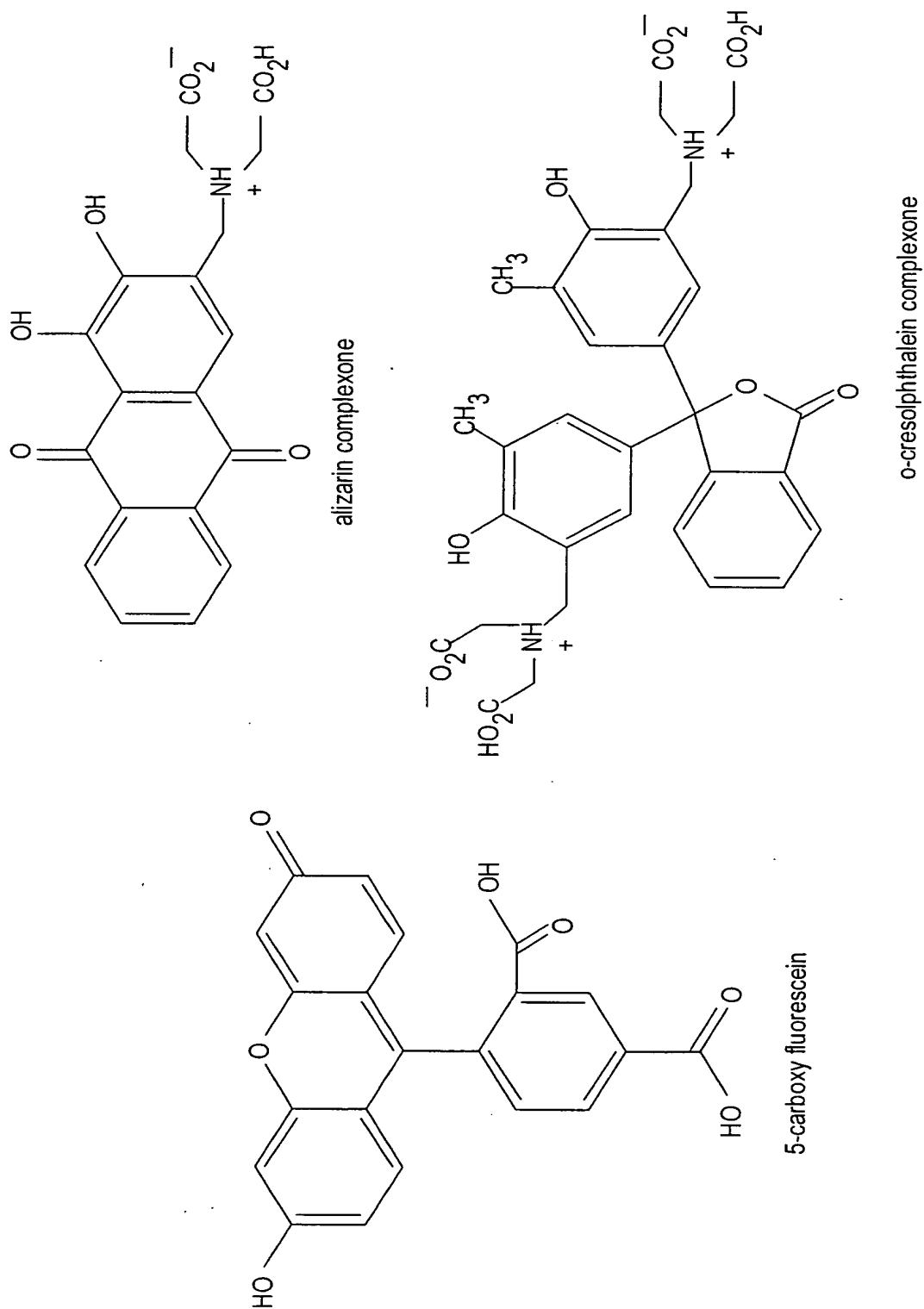


FIG. 6



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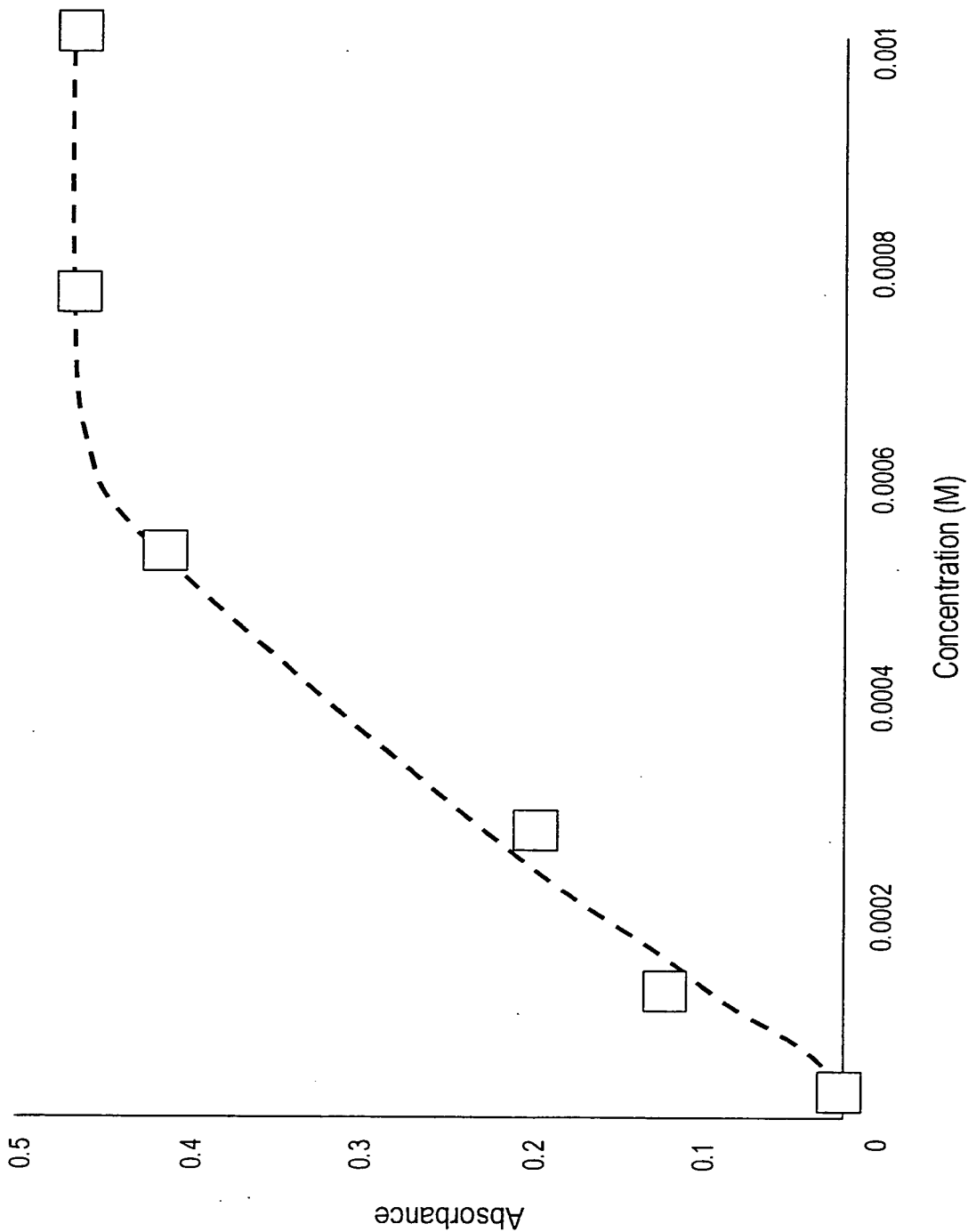


FIG. 7



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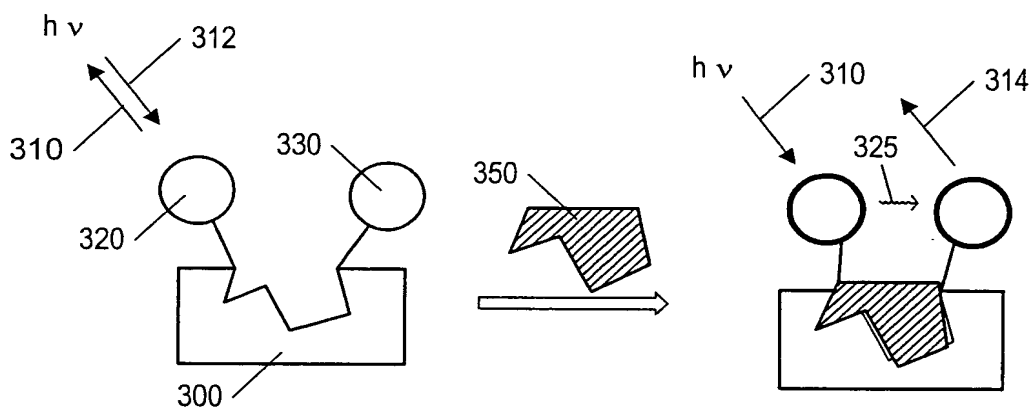


FIG. 8

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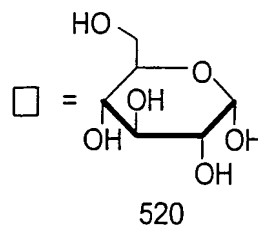
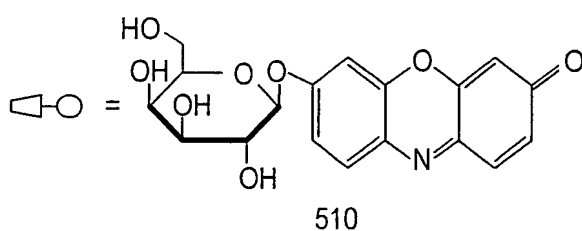
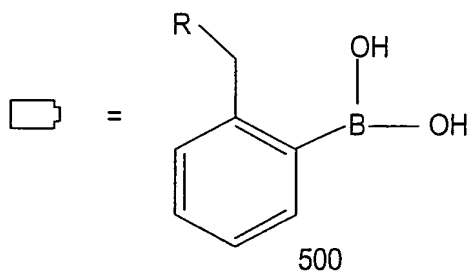
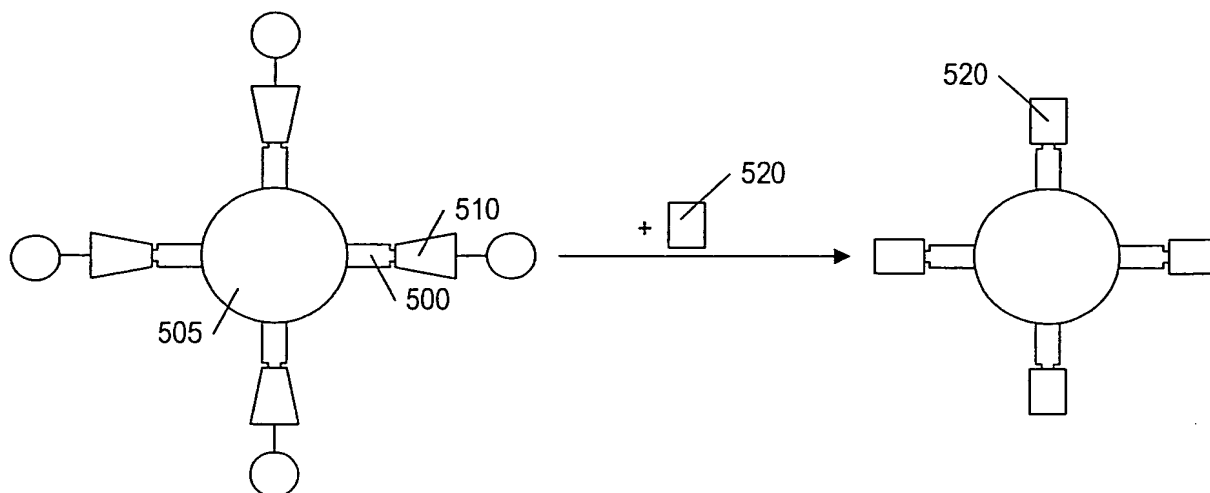


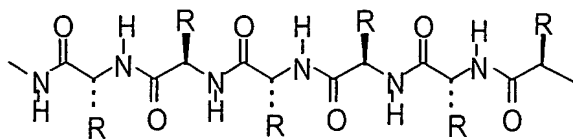
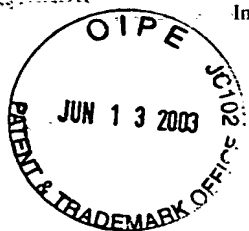
FIG. 9

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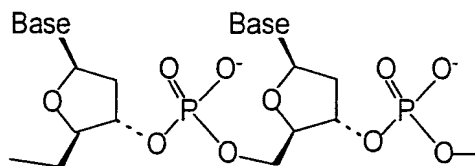
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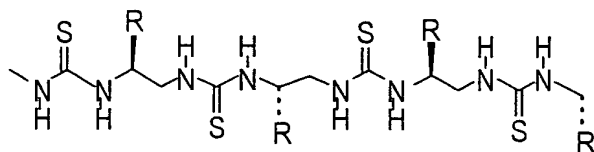
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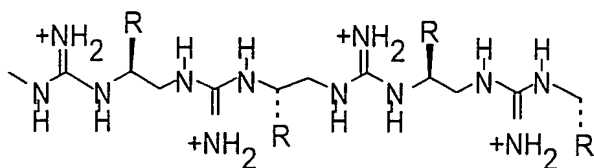
Peptides



Nucleotides



Polythioureas



Polyguanidiniums

FIG. 10

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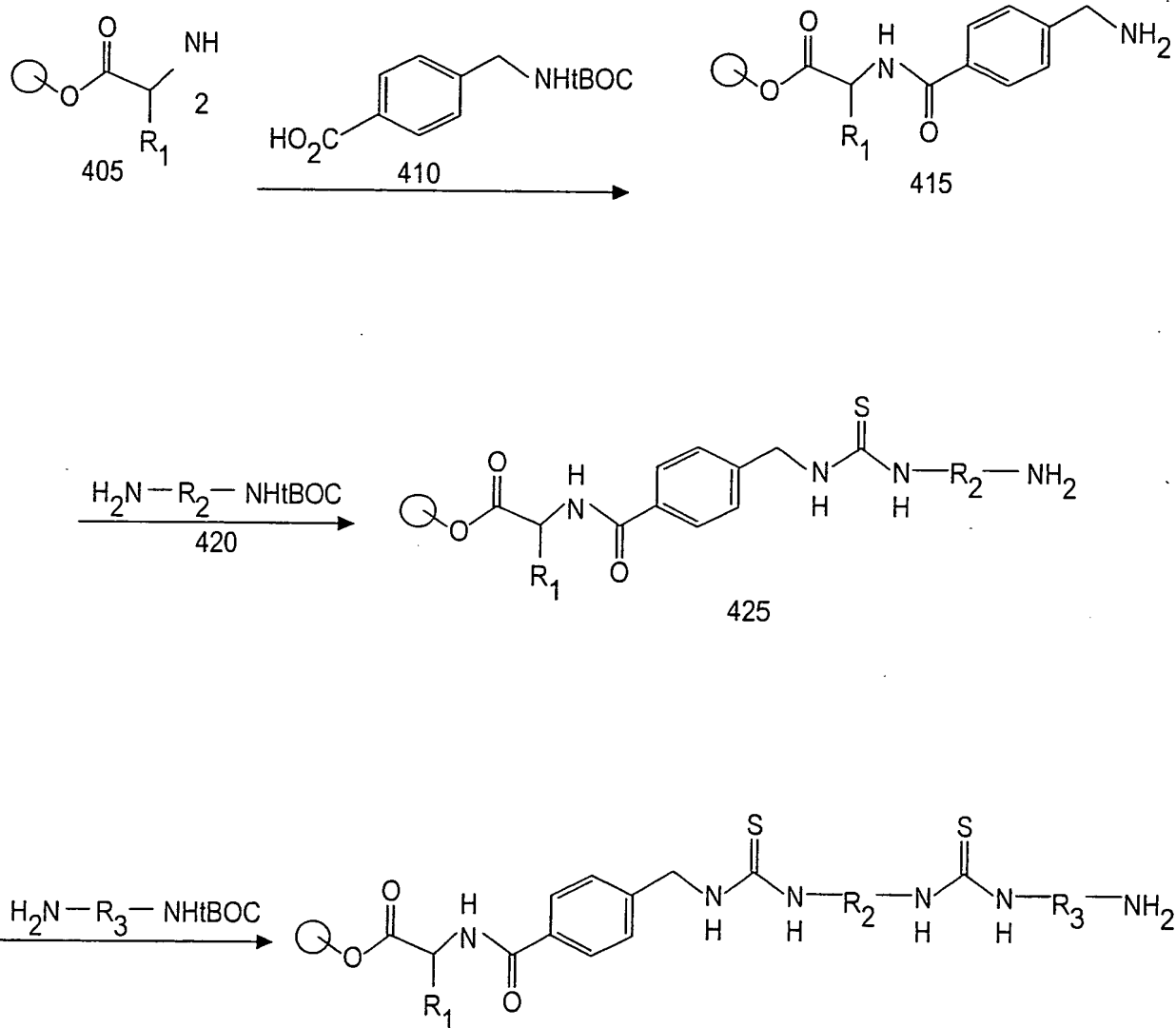


FIG. 11

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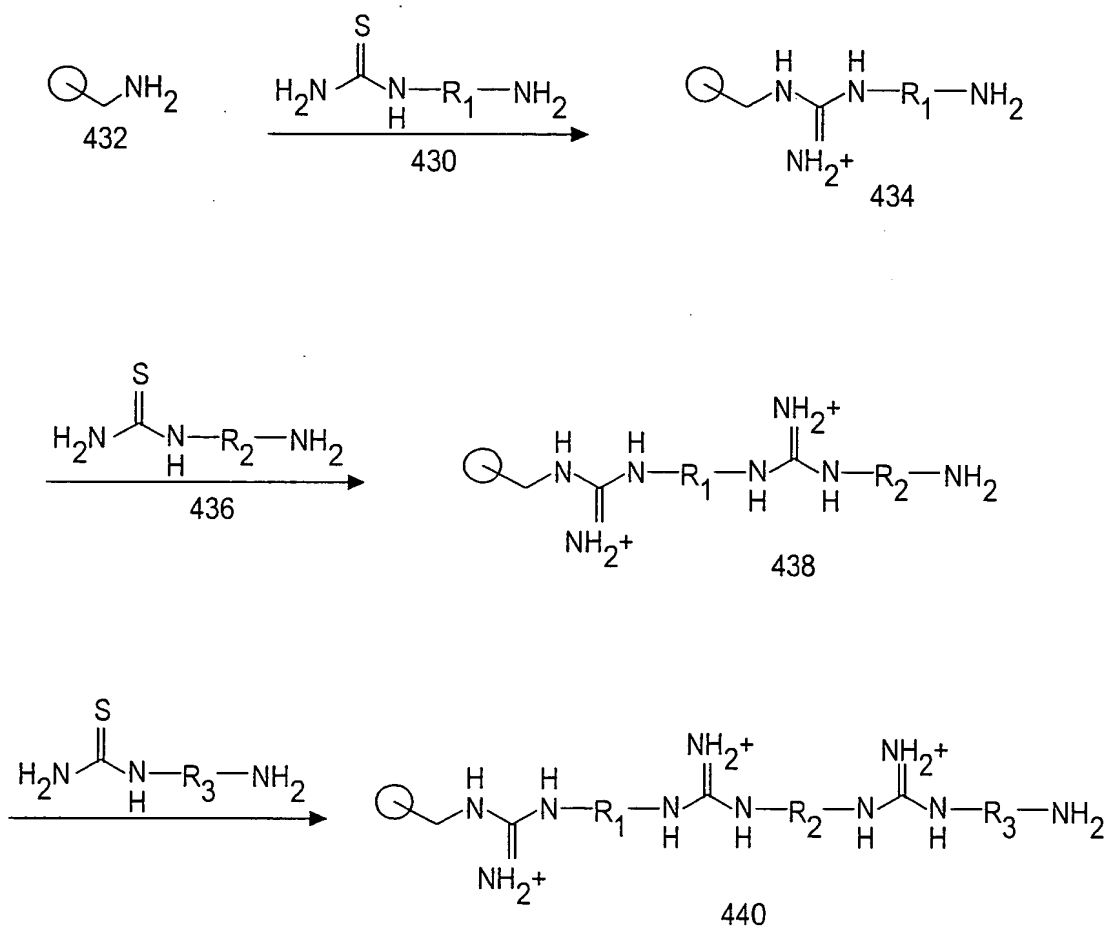


FIG. 12

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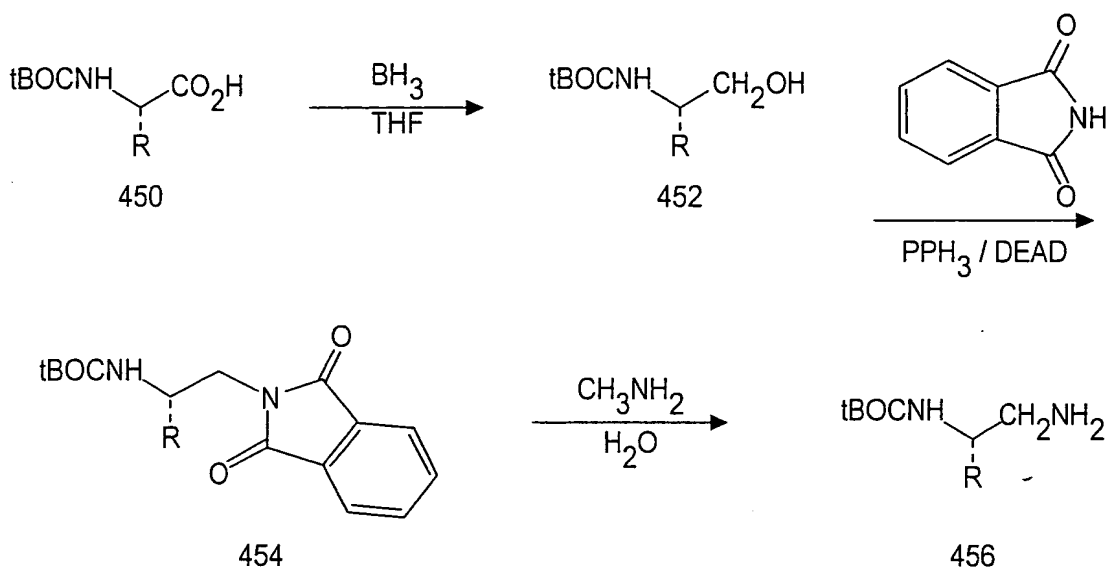
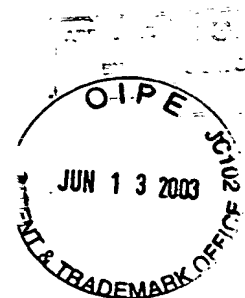


FIG. 13

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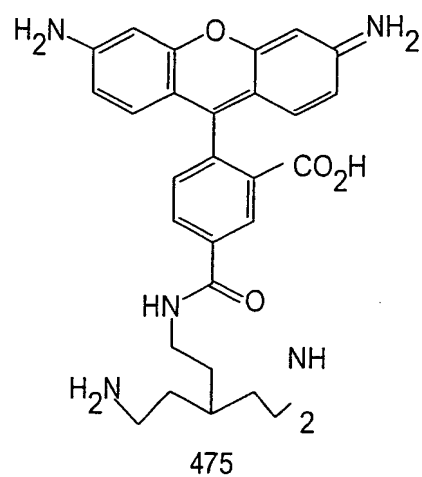
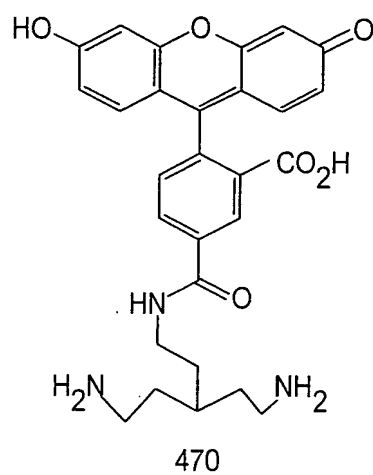
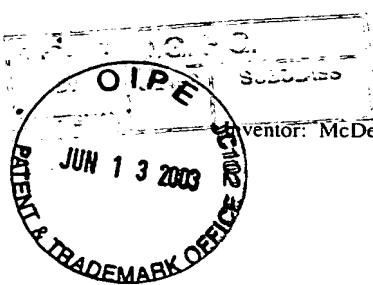


FIG. 14







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RESIN: pH      Ion		Blank	Alizarin	o-Cresol- phthalein	Fluorescein	Alizarin-Ce <sup>3+</sup> complex
2	none					
2	Ca <sup>2+</sup>					
7	none					
7	Ca <sup>2+</sup>					
7	F <sup>-</sup>					
12	none					
12	Ca <sup>2+</sup>					
12	F <sup>-</sup>					

FIG. 16

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